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1. (Amended) An apparatus for assessing a risk of a terrorist attack comprising:

- a memory;
- an input device;
- a display device; and
- a processor connected to the memory, the input device and the display device, the processor being configured to perform the steps of:

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- inputting information about a site of potential terrorist attack from a user;
- constructing a model of the site based on the information input from the user;
- accepting a designation from the user of a weapon and delivery point at the site;
- determining an accessibility of the site to the weapon/delivery point by

determining a threat vector which is mostly likely the threat vector by which the weapon will be delivered and the likelihood of a successful delivery based on the model;

- determining a probability that a terrorist attack will occur; and
- calculating a risk based at least partially on the accessibility and probability.

2. (Amended) The apparatus of Claim 1, wherein the risk is further based on a consequence calculation.

4. (Amended) The apparatus of Claim 1, wherein the processor is further configured to perform the step of preparing a report including the probability, accessibility and risk.

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6. (Amended) The apparatus of Claim 1, wherein the risk is calculated using a Bayesian network.

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7. (Amended) A method for assessing a risk of a terrorist attack comprising the steps of:
inputting information about a site of a potential terrorist attack from a user;
constructing a model of the site based on the input from the user;
accepting a designation from the user of a weapon and delivery point at the site;
determining an accessibility of the site to the weapon/delivery point by determining a threat vector which is mostly likely the threat vector by which the weapon will be delivered and the likelihood of a successful delivery based on the model;
determining a probability that a terrorist attack will occur; and
calculating a risk based at least partially on the accessibility and probability.

8. (Amended) The method of Claim 7, wherein the risk is further based on a consequence calculation.

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10. (Amended) The method of Claim 7, wherein the processor is further configured to perform the step of preparing a report including the probability, accessibility and risk.

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12. (Amended) The method of Claim 7, wherein the risk is calculated using a Bayesian network.